

FIG. 1

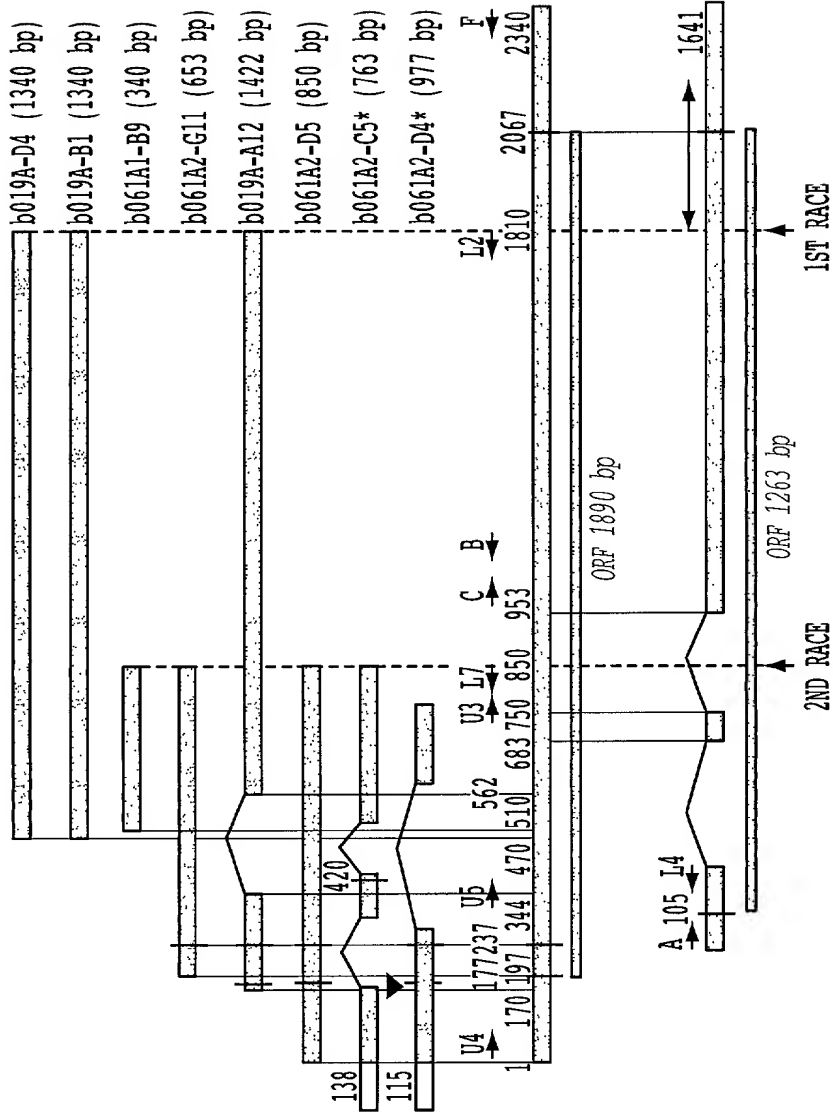


FIG. 3

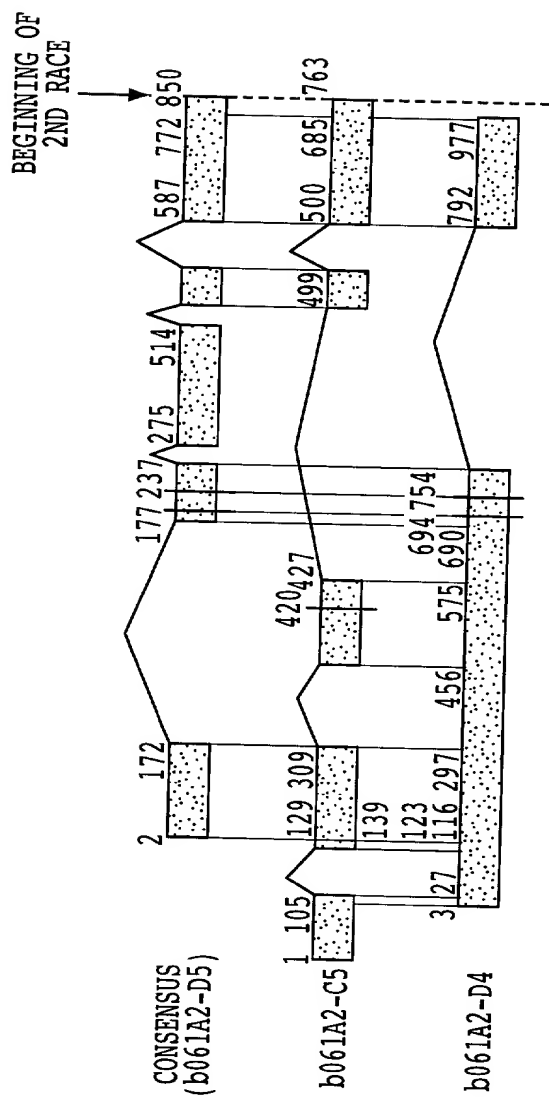


FIG. 4

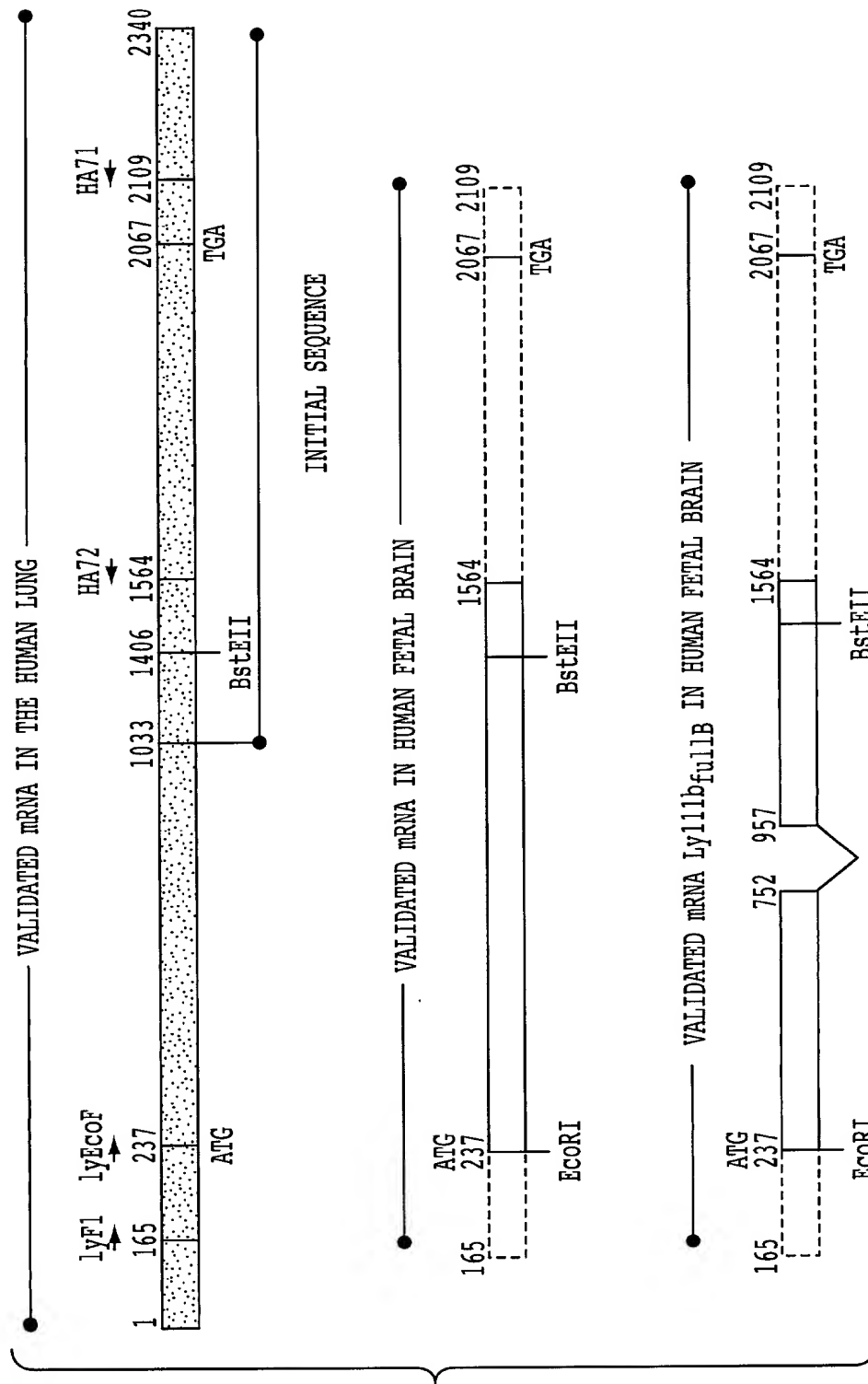


FIG. 5

Ly111b-fullA : the transcript

AATGGAAGGGCGTGAGCGCTTGGTCCATGCAGTGAAGCTCTTCCAACCTGGGTCAACGAAAACG
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CCAGGTCTGTACCGAGACCAGGCGGTTCAAAACACAGAGGAGGAGAGGACACGGAACCTGAAA
ACACACCTGCAGCATCTCCGGTGGAAGGAGCGAAGAACACGGAAGTGGGAGCACAAAGAGAAGT
GCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCTGCTGCACCGGGGCGCCGTGTGCCGGGGCTG
CAGCCACCGCGTGTGTGCCCAGTGCCGAGTGTTCTGAGGGGGACCCATGCCTGGAAGTGCACG
GTGTGCTTCGAGGACAGGAATGTCAAATAAAAACTGGAGAATGGTTCTATGAGGAACGAGCCA
AGAAATTTCCAACCTGGAGGCAAACATGAGACAGTTGGAGGGCAGCTCTTGCAATCTTATCAGAA
GCTGAGCAAATTTCTGTGGTTCTCTACTCCACCTCCTGTCAGCGAGAGCCAGTGCAGCCGC
AGTCCTGGCAGGTTACAGGAATTTGGTCAAGTTAGAGGATTTAATAAGTCCGTGGAAAATTTGT
TTCTGTCTCTTGCTACCCACGTGAAAAAGCTCTCCAAATCCAGAATGATATGACTTCTGAGAA
GCATCTTCTCGCCACGGGGCCCCAGGCAGTGTGTGGGACAGACAGAGAGACGGAGCCAGTCTGAC
ACTGCGGTCAACGTCACCACCAGGAAGGTCAAGTGCACCAGATATTCTGAAACCTCTCAATCAAG
AGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCAGTCCGGCACC
CAGTACCATATTCTCTGGAGGTTTGTAGACACGGAAGTTTAATTAGCATTGACAGCACCTGTACA
GAGATGGGCAATTTTGACAATGCTAATGTCACTGGAGAAATAGAATTTGCCATTCAATTATTGCT
TCAAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTGCCATGGAGAAGAAAA
GAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGACAGATCCTCCAGGGAAAG
CGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCAGGAGACCTTGAAGTATCAGG
TGGCCCCCTGCCAGCTGGTGACCCGGCAGCTGCAGGTCTCGGTGTGGCATCTGGGCACGCTGGC
CCGGAGAGTGTCTTGGAGAAGTGATCATTCTGCGCCAGTGGGACTTTGAAGACAGCACA
ACACAGTCTTCCGCTGGCATCCGCTCCGGGCCAAGGCGGAGAAATACGAAGACAGCGTTCCTC
AGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGGTTCTCCCTTCACGGCCCAGAAAACCTCCA
AGAGGCTCAAGAAGGGACAGATCAGCCATCACTTCATGGTCAACTTTGTTTGGTAGTGCTAGGA
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CAAAGGGAGACACAGCTGTTGGCGGGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGT
CCTTTCCAGCCCCAATCTATGGACAGACATGACTCTTGCTCTGCACTGACATGAAGGCCTCAAG
GTTCCAGGTTGCAGCAGGCGTGAGG

pLy111b-fullA : the protein

MAQEI DLSALKELEREAILQVLYRQAVONTEERTRKLKTHLOHLRWKGAKNTDWEHKEKCCARCOOVLGFLLRG
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PPTPPVSESQCSRSRPGRLQEFQGFGENKSVENLFLSLATHVKKLSKSONDMTSEKHLATGPRQCVGOTERRSOS
DTAVNVTRKVSAPDILKPLNQEDPKCSTNPILKQONLPSSPAPSTIESGGFRHGSLISIDSTCTEMGNFDNANVTG
EIEFAIRYCEKTHSLEICIKACKNLAYGEEKKKCNPYVKTYLLPDRSSOGKRKTGVORNTVDPTQETLKYOVAPA
OLVTROLOVSVVHLGTLARRVFLGEVILPLATWDFEDSTTQSFWRHPLRAKAKEYEDSVPOSNGELTVRAKLVLPSR
PRKLOEAQEGTDOPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGSLTLPDQQLRLKSPVLRKQACPQWKHSFVFSG
VTPAQLRQSSLELTVWDQALFGMNDRLGCTRLGSKGDTAVGGDACSQSKLQWQKVLSSPNLWTDMTLVLH

FIG. 6

Ly111b-fullB : the transcript

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 TTCTCCAGGTCCTGTACCGAGACCAGGCGTTCAAACACAGAGGAGGAGAGGACACGGAAA
 CTGAAAACACACCTGCAGCATCTCCGGTGGAAGGAGCGAAGAACACGGAAGTGGGAGCACA
 AGAGAAGTGCTGTGCGCGCTGCCAGCAGGTGCTGGGGTTCCTGCTGCACCGGGGCGCCGTGT
 GCCGGGGCTGCAGCCACCGCGTGTGTGCCAGTGCCGAGTGTTCTGAGGGGGACCCATGCC
 TGGAAGTGACGGTGTGCTTCGAGGACAGGAATGTCAAATAAAAACTGGAGAATGGTTCTA
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 GAGAGCCAGTGACGCCGAGTCTTGGCAGGAAGGTGAGTGACCCAGATATTCTGAAACCTCT
 CAATCAAGAGGATCCCAAATGCTCTACTAACCCTATTTTGAAGCAACAGAATCTCCCATCCA
 GTCCGGCACCCAGTACCATATTCTCTGGAGGTTTTAGACACGGAAGTTTAATTAGCATTGAC
 AGCACCTGTACAGAGATGGGCAATTTTGACAATGCTAATGTCAGTGGAGAAATAGAATTTGC
 CATTCAATTATTGCTTCAAACCCATTCTTTAGAAATATGCATCAAGGCCTGTAAGAACCTTG
 CCTATGGAGAAGAAAAGAAGAAAAAGTGCAATCCGTATGTGAAGACCTACCTGTTGCCCGAC
 AGATCCTCCAGGGAAAGCGCAAGACTGGAGTCCAAAGGAACACCGTGGACCCGACCTTTCA
 GGAGACCTTGAAGTATCAGGTGGCCCCTGCCAGCTGGTGACCCGGCAGCTCCAGGTCTCGG
 TGTGGCATCTGGGCACGCTGGCCCGGAGAGTGTTCCTGGAGAAGTGATCATTCTCTGGCC
 ACGTGGGACTTTGAAGACAGCACAAACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGC
 GGAGAAATACGAAGACAGCGTTCCTCAGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGC
 TTCTCCCTTACAGGCCCAGAAAACTCCAAGAGGCTCAAGAAGGGACAGATCAGCCATCACTT
 CATGGTCAACTTTGTTTGGTAGTGCTAGGAGCCAAGAATTTACCTGTGCGGCCAGATGGCAC
 CTTGAACTCATTTGTTAAGGGCTGTCTCACTCTGCCAGACCAACAAAACTGAGACTGAAGT
 CGCCAGTCTGAGGAAGCAGGCTTGCCCCAGTGGAAACACTCATTGTCTTCACTGGCGTA
 ACCCCAGCTCAGCTGAGGCAGTCGAGCTTGGAGTAACTGTCTGGGATCAGGCCCTCTTTGG
 AATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTTCAAAGGGAGACACAGCTGTTGGCG
 GGGATGCATGCTCACAATCGAAGCTCCAGTGGCAGAAAGTCCTTTCCAGCCCCAATCTATGG
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 TGAGG

pLy111b-fullB : the protein

MAQEIDLSALKELEREAILQVLYRDOAVONTEEERTRKLKTHLOHLRWKGAKNTDWEHKEKCCARCOOVLGFLLRG
 AVCRCGSHRVCACRVFLRGTHAWKCTVCFEDRNVKIKTGEWFYEERAKKFTGGKHETVCGOLLOSYOKLSKISVV
 PPTPPPVSSESQSRSPGRKVSAPDILKPLNOEDPKCSTNPILKQONLPSSPAPSTIFSGGFRHGSLISIDSTCTEMG
 NFDNANVTGEIEFAIHCFKTHSLEICIKACKNLATGEEKKKCNPYVKTYLLPDRSSQGRKTGVORNTVDPTFOE
TLKYQVAPQVLTRQLOVSVVHLGTLARRVFLGEVLIPLATWDFEDSTTQSFWRWHPLRAKAEKYEDSVPOSNGELTV
 RAKLVLPSPRPRLQEAQECTDQPSLHGQLCLVVLGAKNLPVRPDGTLNSFVKGCLTLPDQOKLRLKSPVLRKQACPO
 WKHSFVESGVTPAQLRQSSLELTVWDQALFGMNDRLLGGLRLGSKGDTAVGGDACSQSKLOWOKVLSPPNLWTDMTL
 VLH

FIG. 7

FIG. 8A-1

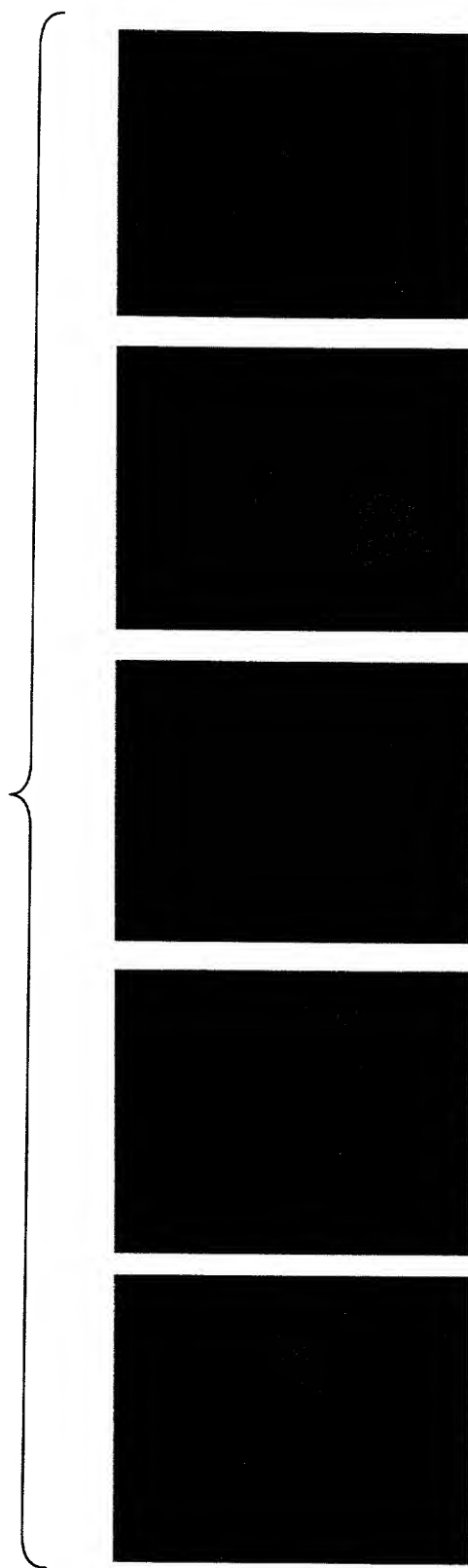


FIG. 8A-1

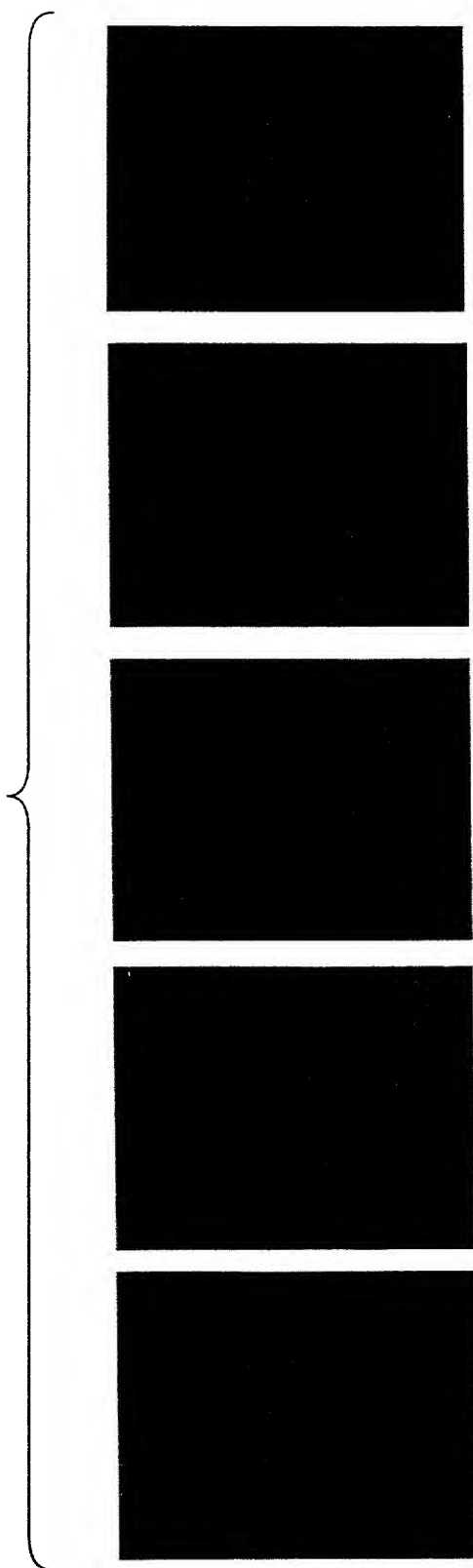


FIG. 8A-2

TOP SECRET 6450200

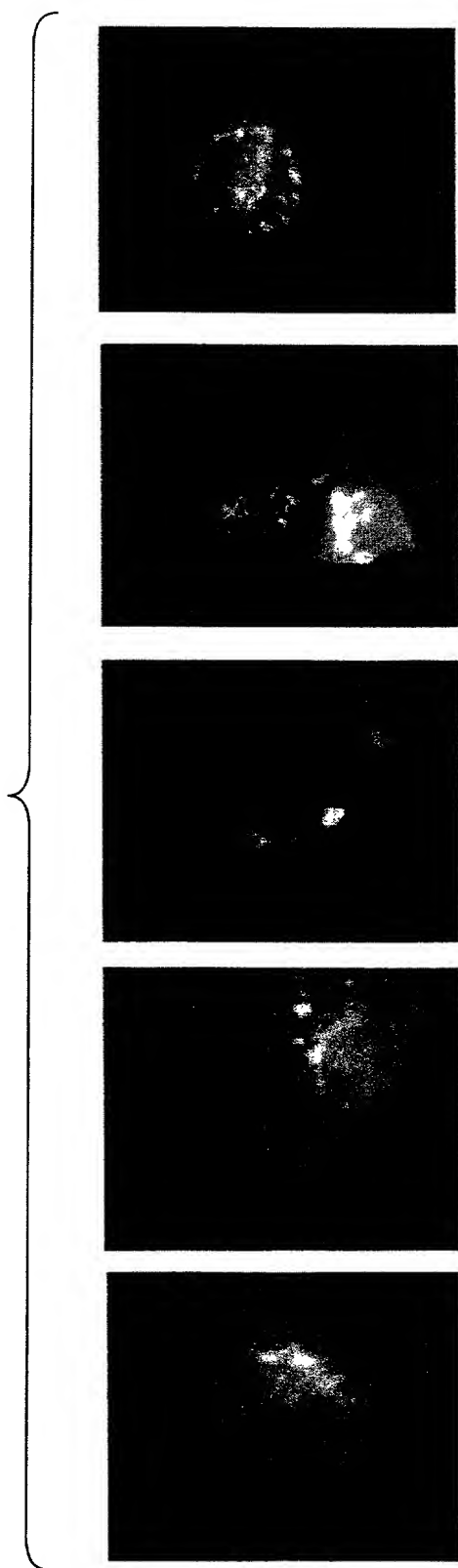


FIG. 8A-3

FIG. 8B-1

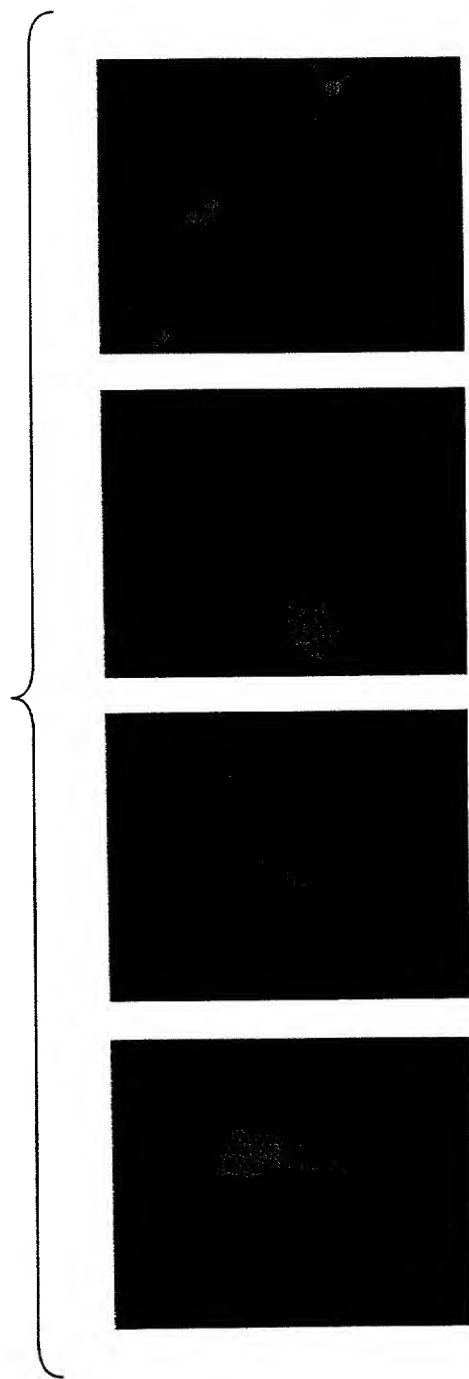


FIG. 8B-1

FIG. 8B-2

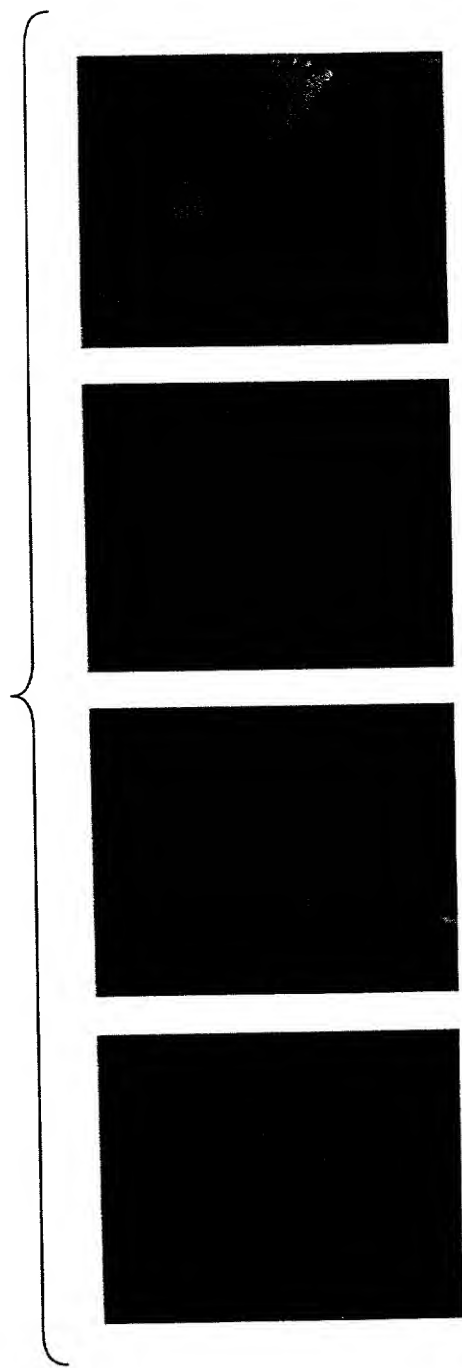


FIG. 8B-2

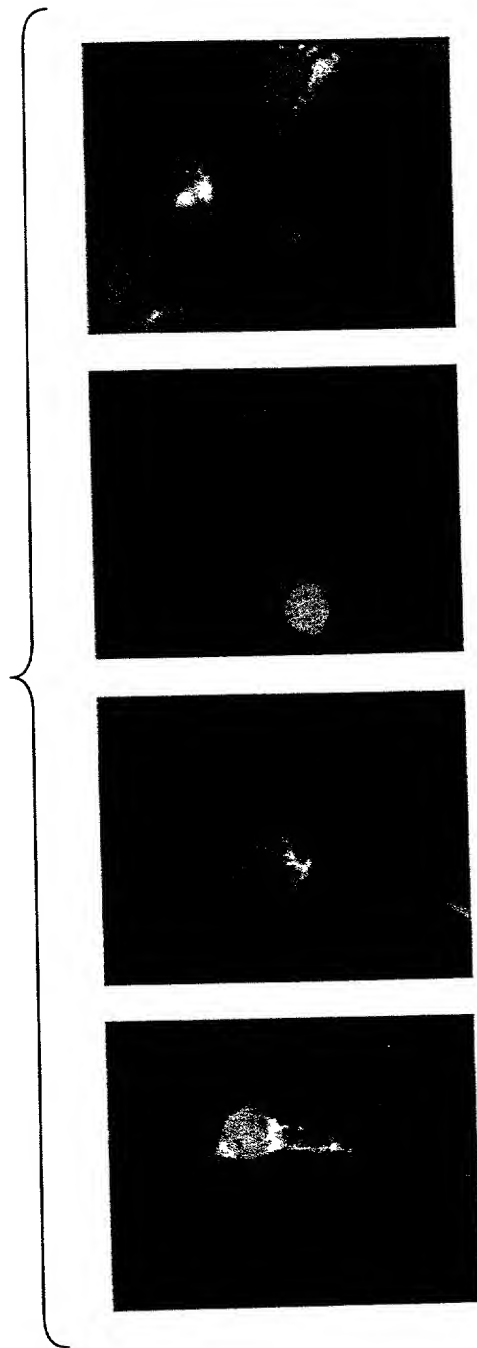


FIG. 8B-3

Ly11b-fullB : the transcript

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GACACGGAAACTGAAAACACACCTGCAGCATCTCCGGTGGAAGGAGCGAAGAACACGGACTGGGAGC
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CACGGTGTGCTTCGAGGACAGCAATGTCAAATAAAAACTGGAGAATGGTTCATGAGGAACGAGCCA
AGAAATTTCCAACCTGGAGGCAACATGAGACAGTTGGAGGGCAGCTCTTGCAATCTTATCAGAAGCTG
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CAGGTTACAGGAATTTCTCCTCACTTTAGAGGATTTAATAAGTCCGTGGAAAATTTGTTTCTGTCTCTTG
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CAGGAAGGTCAAGTGCACAGATATTCTGAAACCTCTCAATCAAGAGGATCCCAAATGCTCTACTAACC
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CAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGGAGGAACCAGACTTGGTTCAAAGGGAGACACAGC
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GCACTGTGCGTCTGCAGAGGGGCTACGAACCAGGTGCAGGGTCCAGCTGGAGACCCCTTTGACCTTG
AGCAGTCTCCATCTGCGGCCCTGTCCCATGGCTTAACCGCCTATTGGTATCTGTGTATATTTACGTTA
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TTAATAAATCGTTGTTACCCATGAAAAA

: the protein

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SLHGQLCLVVLGAKNLPVRPDGTLNSFVKGLTLDDQQLRLKSPVLRKQACPOWKHSFVFSGVTPAQ
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FIG. 9

: the transcript

GAAATCATGCCCCCTCGTAGAGCAGCAGGTCCAAGCAGGGCTGCTGGCTATTTTTCCAAAAAG
TGAGGCAGTTTAAAAAAAAGGCGGAGAACTAGAATTATAGAATAATGGCACATTTTGTGTAT
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CCTGGCAGGAAGGTCAGTGCACCAGATATTCTGAAACCTCTCAATCAAGAGGATCCCAAATG
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CCCGGAGAGTGTTCCTTGGAGAAGTGATCATTCCTCTGGCCACGTGGGACTTTGAAGACAGC
ACAACACAGTCCTTCCGCTGGCATCCGCTCCGGGCCAAGGCGGAGAAATACGAAGACAGCGT
TCCTCAGAGTAATGGAGAGCTCACAGTCCGGGCTAAGCTGGTTCTCCCTTCACGGCCCAGAA
AACTCCAAGAGGCTCAAGAAGGGACAGATCAGCCATCACTTCATGGTCAACTTTGTTTGGTA
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CTGTCTCACTCTGCCAGACCAACAAAACTGAGACTGAAGTCGCCAGTCCTGAGGAAGCAGG
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TCGAGCTTGGAGTTAACTGTCTGGGATCAGGCCCTCTTTGGAATGAACGACCGCTTGCTTGG
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AGCTCCAGTGGCAGAAAGTCCTTTCCAGCCCCAATCTATGGACAGACATGACTCTTGTCCTG
CACTGACATGAAGGCCTCAAGGTTCCAGGTTGCAGCAGGCGTGAGGCACTGTGCGTCTGCAG
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AATTATGTTACCTAAGCCTCTGGTGGGTTATCTCCTCTTTGAGATGTAGAAAATGGCCAGAT
TTTAAATAACGTTGTTACCCATGAAAAAAAAAAAAA

: the protein

MGNFDNANVTGEIEFAIHYCFKTHSLEICIKACKNLAYGEEKKKKCNPYVKTYLLPDRSSQG
KRKTGVQRNTVDPTFQETLKYQVAPAQLVTRQLQVSVVHLGTLARRVFLGEVIIPLATWDFE
DSTTQSFRWHPLRAKAEKYEDSVQSNGELTVRAKLVLPSRPRKLOEAQEGTDQPSLHGQLC
LVVLGAKNLPVRPDGTLNSFVKGCLTLPDQQLRLKSPVLRKQACPQWKHSFVFSGVTPAQL
RQSSLELTVWDQALFGMNDRLGGLGTRLGSKGDTAVGGDACSQSKLQWQVLSSPNLWDTMTL
VLH

FIG. 10